



MISHAP

INVESTIGATION

TRENDS AND

ANALYSIS



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Review of Tactical Vehicle Crushing, Pinning, and Runover Mishaps, 1994 - April 2001



1994



JAN 94 - (D)



- Narrative:
 - Cpl hit POV while backing a 5-Ton in parking lot
- Lessons Learned
 - When backing up 5-Ton use a ground guide



MAR 94 - (C)



- Narrative:
 - MSgt was sleeping under a tree when HMMWV ran over his legs
- Lessons Learned
 - Use a ground guide when backing up and traveling through bivouac areas



JUNE 94 - (C)



- Narrative:
 - LCpl finished moving gear from one 5-Ton into another 5-Ton, standing behind 5-Ton, driver started 5-Ton in gear pinning LCpl between two 5-Tons
- Lessons Learned
 - Do Not start vehicle in gear



AUG 94 - (C)



- Narrative:
 - LCpl pinned between two 5-Tons in the Motor Pool
- Lessons Learned
 - Drivers, ensure personnel are clear from vehicle prior to moving
 - Situational awareness



SEPT 94 - (D)



- Narrative:
 - PFC driving forklift on road backed into a car
- Lessons Learned
 - Use Ground Guides



DEC 94 - (A)



- Narrative:
 - LCpl pinned between two 5-Ton vehicles parked nose to rear, driver started vehicle in gear lunging backwards pinning SNM - **FATALITY**
- Lessons Learned
 - Distance between two vehicles in convoy be sufficient to see ground in-between
 - Driver conduct a 360 degree inspection before use





1995



1995



- Feb -Runover (C)
- Mar -Runover (C)
- Mar -Backing (D)
- Apr -Backing (C)
- Apr -Runover (C)
- May -Pinning (C)
- May -Lunging hit POV (D)
- Jun -Pinning (C)
- Jun -Crushed (B)
- Oct -Pinning (C)
- DEC - AAV
RUNOVER (A)





1996



1996



- Mar (D) - Cpl driving 5-Ton backed into POV
- Aug (D) - LCpl backing up Tram with MEP-6 on M353 Trailer: Tram jack knifes, damaging the MEP-6 on M353 Trailer
- Dec (C) - Sgt was ground guide for 5-Ton, lost eye contact with driver, Sgt walked behind vehicle while driver continued to back up pinning the Sgt to the loading dock



1996



- LESSONS LEARNED:
 - Use a Ground Guide
 - Ground Guide “Pay Attention”
 - Ground Guide “Situational Awareness”





1997



1997



- Jun (C) - Driver backed 5-Ton into POV
- Jul (C) - Driver backing up 5-Ton pinned Marine between 5-Ton and a HMMWV
 - Lessons Learned:
- USE A GROUND GUIDE!!!





1998



1998 *RUNOVER's*



- Mar (C) - Driver backed 5-Ton over PFC while he was under the vehicle
- Sept (B) - PFC w/buddy dismounted AAV, took tactical position for security at 11 O'clock in the prone position. AAV began to move forward...PFC unable to get out of way...AAV ran over pelvis and legs!!!



1998



Trailer Mishaps

- Jul (C) - Three Marines moving a trailer down an incline, lost control allowing the trailer to pin another Marine and subsequently breaking his leg
- Nov (C) - Marine was adjusting the front wheels of the waterbull, waterbull began to roll, LCpl Superman put himself in front of the waterbull in order to stop it





1999



1999



- Apr (C)
 - 5-Ton backing up without side mirrors, taking verbal commands from Marine; Operators foot slipped off pedal pinning Marine against building!
- Lessons Learned
 - Use proper procedures for Ground Guides
 - Do not stand in the direct path of vehicular movement



1999



- Dec (C)

- Guided through the assembly area at night with a flashlight; Driver wearing NVG's was unable to see Ground Guide change direction and ran over sleeping Marine!

- Lessons Learned

- When moving at night, ensure area is clear of personnel and equipment
- Do not use a flashlight when driver is using NVG's





2000



2000



- Mar (C)
 - SNM was standing on the M105 trailer hitch when the 5-Ton started moving; SNM fell off and was runover by the trailer
- Lessons Learned
 - Driver must perform a 360 degree area check around the vehicle before operating



2000



- Aug (A)- **Fatality**
 - Marine standing between two parked 5-Tons, noticed the rear 5-Ton start his engine and lurch forward - SNM pushed two people out of the way before getting pinned between two 5-Tons
- Lessons Learned
 - Drivers need to be educated and trained in the proper procedures to stop (Park) and start any vehicle



2001



FEB 2001



- Class A - **Fatality**
 - SNM was unloading gear between two 5-Tons when driver backed 5-Ton into a parked 5-Ton crushing SNM









Summary



- Use a properly trained Ground Guide
- Ensure vehicle is placed in Park in accordance with TM (vehicle specific)
- Driver conduct a walk round prior to moving vehicle
- **SUPERVISE**



Observation



- One definite trend from all types and classifications of mishaps...
- ORM is not getting to the lowest level - that young Marine!!!



QUESTIONS ???